

2014 Beacon Manufacturers Workshop

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RESULTS OF 2014 BEACON
MANUFACTURERS SURVEY

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Results of 2014 Survey of Beacon Manufacturers

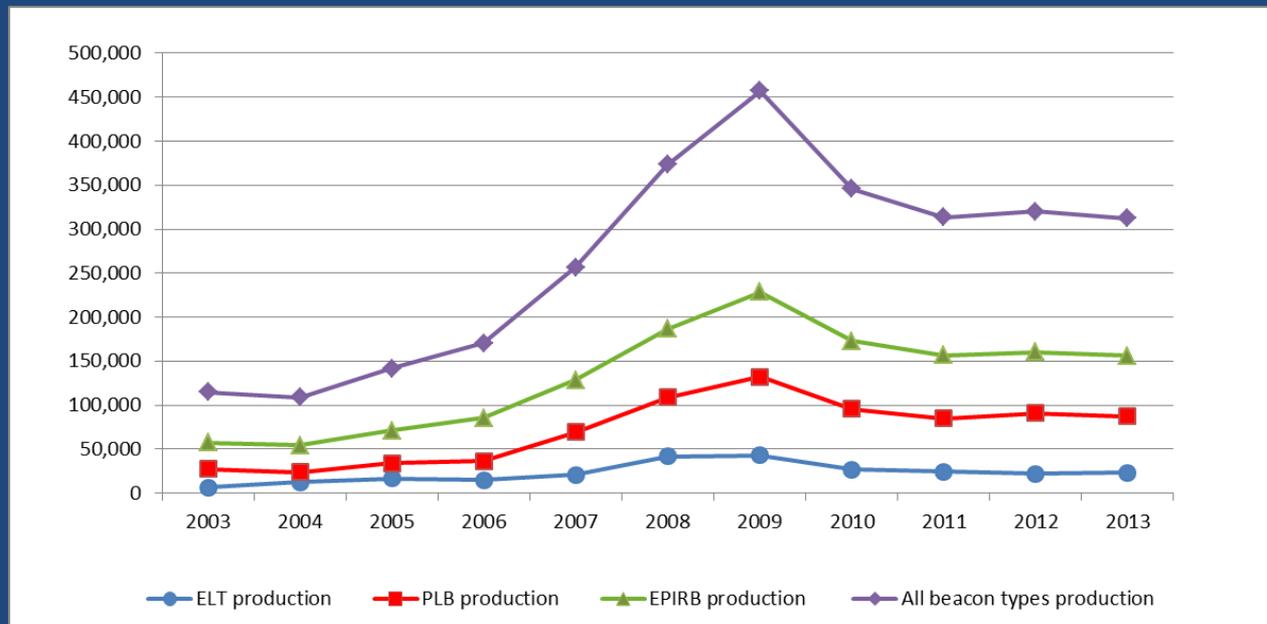
2014 Survey Highlights

- Conducted by the Cospas-Sarsat Secretariat since 1991, annually
- **48** beacon manufacturers participated in 2014 survey
- Geographical distribution of participating manufacturers:
 - Europe: **42%**
 - USA and Canada: **29%**
 - Asia and Australia: **29%**

2014 Survey Highlights



- In 2013, **156,154** beacons were produced worldwide
- In 2013 , annual production decreased by **2.5 %** over 2012
- In 2012: 160,000 beacons were produced (+ 2.2% over 2011)
- In 2011: 156,000 beacons were produced (- 9.6% over 2010)
- In 2010: 172,000 beacons were produced (-24 % over 2009)
- In 2009: 228,000 beacons were produced (+22.5% over 2008)



2014 Survey Results

~ **156,100** beacons were produced in 2013 worldwide, including :

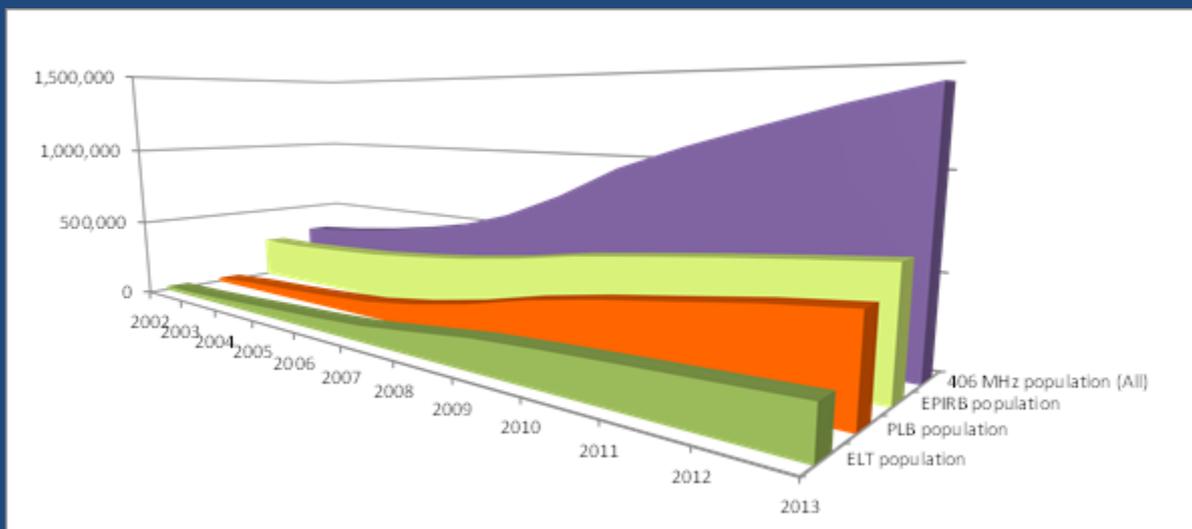
- 68,900 **EPIRBs** (decrease in annual production: - 0.6% against 2012)
 - annual production growth in 2003 - 2009;
 - annual production decrease in 2010 (- 38%), in 2011 (-6.7%), and in 2012 (- 3.5%)

- 23,200 **ELTs** (increase in annual production: +5.5% against 2012)
 - annual production growth in 2005 (+31 %), in 2007 - 2009;
 - annual production decrease in 2006 (-10%), 2010 (-20%), in 2011 (- 9.2%) and in 2012 (-10% against 2011)

- 64,000 **PLBs** (decrease in annual production: - 7.7% against 2012)
 - annual production growth in 2005 – 2009 and 2012;
 - annual production decrease in 2010 (- 22%), in 2011 (-12.4% against 2011).

Estimated Beacon Population

- **Over 1,411,000** beacons were in use at the end of 2013
- Annual increase in global beacon population : **~ 9.5%**



2014 Survey Highlights

- 11 manufacturers (23% of all respondents) reported 'zero' production in 2013, in 2011: 22%, in 2012 : 14%
- ...with 1 - 499 units produced in 2013: 13 (27% of all respondents), in 2011: 24%, in 2012: 17 (35%)
- ...with > 500 units produced in 2013: 24 (50%), in 2011: 53%, in 2012: 51%



Other 2014 Survey Results

38 % of active beacon manufacturers reported increase in production volumes in 2012 (59% in 2012, 50% in 2011)

in 2013-14, 2 new beacon manufacturers informed Cospas-Sarsat of their plans to develop and type approve new models

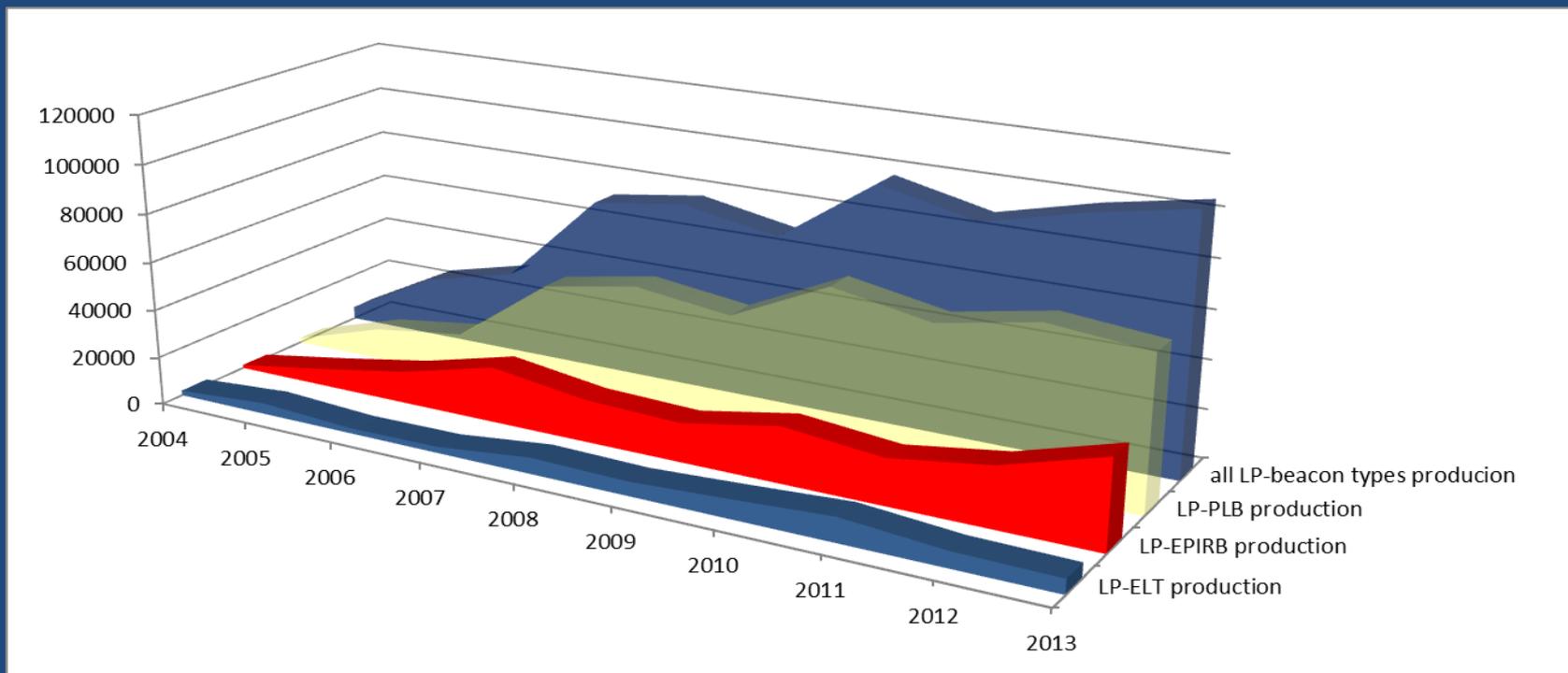
Location Protocol Beacons

- 105,600 LP-beacons were produced in 2013, including:
 - ELTs: approximately 6,000 (or 6% of LP-beacons of all types),
 - EPIRBs: about 36,600 (35% of LP-beacons of all types), and
 - PLBs: about 63,000 (60% of LP-beacons of all types).

- 2013: over 673,000 LP-beacons deployed worldwide (47% of global population).



Location Protocol Beacons Production Trends in 2004-2013

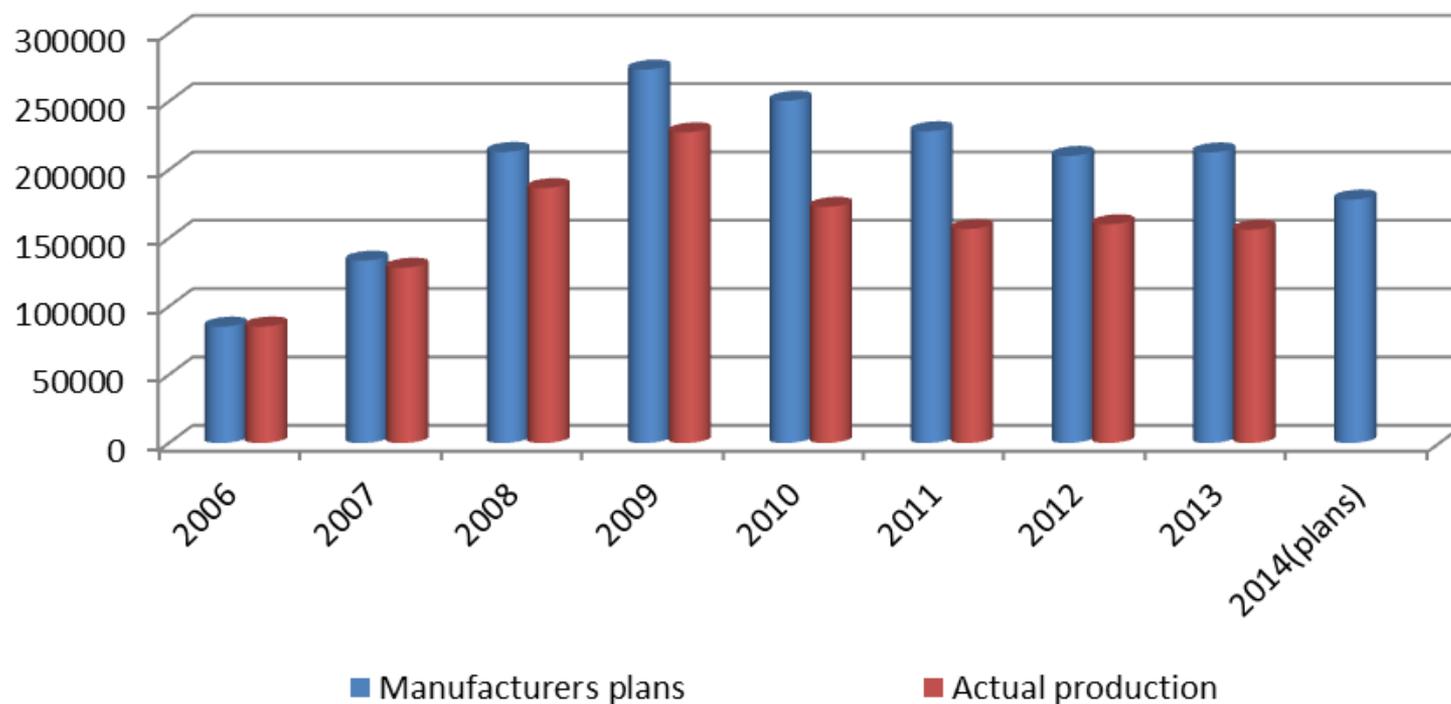


	% of LP-ELT	% of LP-EPIRBs	% of LP-PLBs	% of LP (all types)
2004	16.1 %	4.3%	16.3%	9.6%
2008	15.9%	22.5%	79.1%	41.3%
2012	30.4%	35.7%	97.1%	61.4%
2013	25.9%	53.2%	98.3%	67.4%

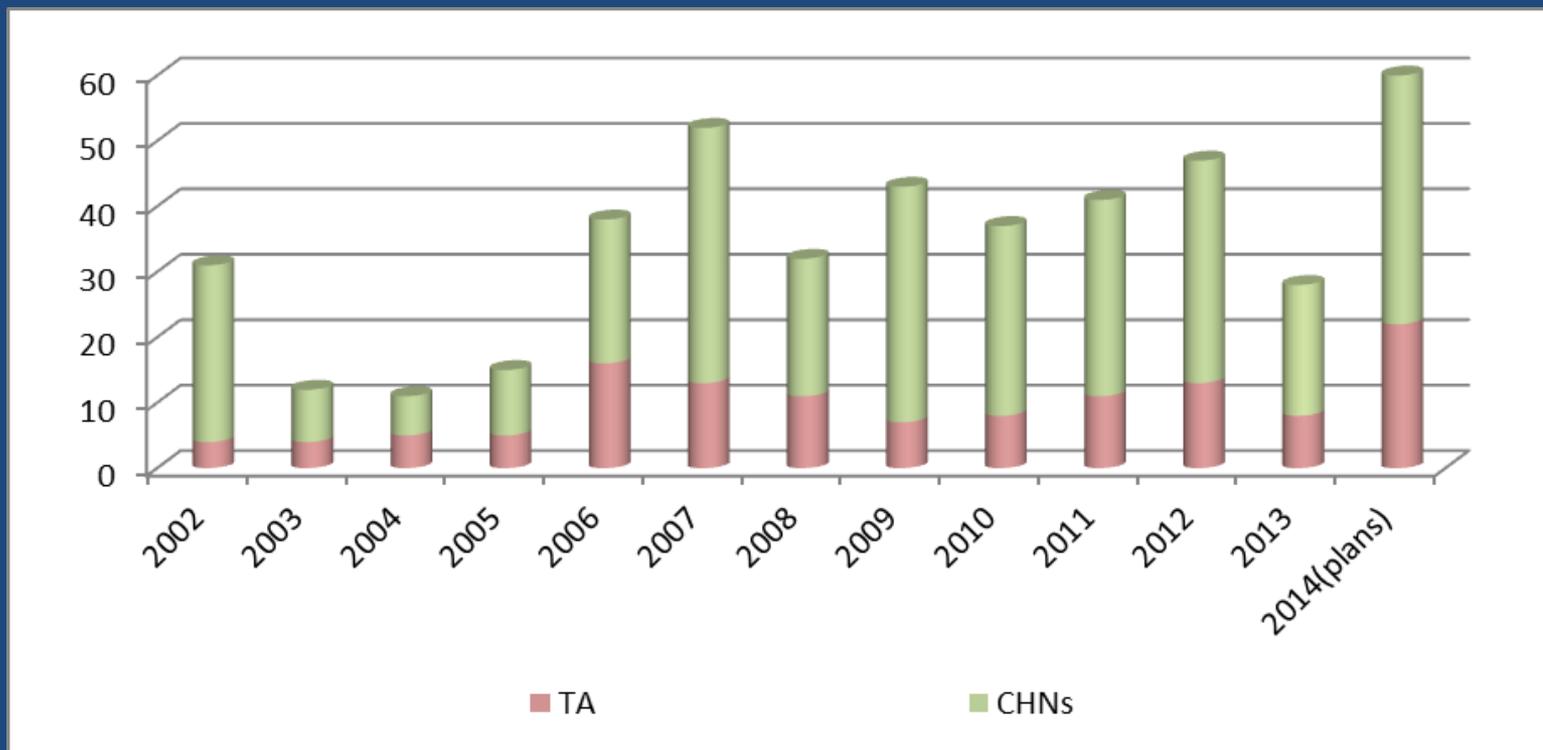
Manufacturers' Plans for 2013

- **Over 178,000** beacons to be produced in 2013 (+ 14 % over actual production in 2012), including:
 - » EPIRBs: 69,000
 - » ELTs: 26,000
 - » PLBs: 83,000
- In 2014 global 406 MHz beacon population might reach 1,532,000 (annual growth +8.8%)

Accuracy of Manufacturers Forecasts (all beacon types annual production)



Type Approval Activity



In 2014, the Secretariat expects 22 applications for Type Approval of new beacon models and 38 Change Notices from 19 beacon manufacturers

For more information...

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Thank you !